

DOT-E 9781 (SIXTH REVISION)

400 Seventh St., S.W. Washington, D.C. 20590

OCT 17 2001

EXPIRATION DATE: July 31, 2003

(FOR RENEWAL, SEE 49 CFR § 107.109)

1. <u>GRANTEE</u>: Persons represented by their agent, The Chlorine Institute, Inc., Washington, DC. (See Appendix A)

(See Appendix B to this document for a list of additional grantees)

2. PURPOSE AND LIMITATION:

- a. This exemption authorizes the transportation in commerce of non-DOT specification full opening head, steel salvage cylinders for overpacking damaged or leaking chlorine cylinders. This exemption provides no relief from the Hazardous Materials Regulations (HMR) other than as specifically stated herein.
- b. The safety analyses performed in development of this exemption only considered the hazards and risks associated with transportation in commerce.
- 3. REGULATORY SYSTEM AFFECTED: 49 CFR Parts 106, 107 and 171-180.
- 4. <u>REGULATIONS FROM WHICH EXEMPTED</u>: 49 CFR § 173.34(d) and (e), § 173.304(a)(2).
- 5. <u>BASIS</u>: This exemption is based on the application of Chlorine Institute, Incorporated dated October 5, 2001, submitted in accordance with § 107.109 and supplemental information dated October 12, 2001.
- 6. HAZARDOUS MATERIALS (49 CFR § 172.101):

Hazardous materials description proper shipping name	Hazard Class/ Division	Identi- fication Number	Packing Group
Chlorine	2.3	UN1017	N/A

7. SAFETY CONTROL MEASURES: Packaging prescribed is a non-DOT specification full opening head, steel salvage cylinder of welded construction, with provisions for securely positioning the damaged cylinder contained within. The salvage cylinder must conform with the Chlorine Institute's drawing 188 dated March 19, 1987 on file with the Office of Hazardous Materials Exemptions and Approvals (OHMEA); must be designed, constructed and stamped in accordance with Section VIII of the ASME Code for a working pressure of 250 psig at 300°F and as follows:

Volume......31 gallon water capacity (nominal). or equivalent carbon steel. Length......64 inches, nominal. Sidewall thickness.................0.250 inch, nominal (.230 inch, min.) Design Service pressure (MAWP).....250 psig at 70°F Test pressure......375 psig. outlet inside a valve protective Openings - head......Full opening head, hinged to cylinder sidewall. Pressure relief devices......None. Welded attachments.....2-lifting rails 2-supports

8. SPECIAL PROVISIONS:

- a. A person who is not a holder of this exemption who receives a package covered by this exemption may reoffer it for transportation provided no modifications or changes are made to the package and it is reoffered for transportation in conformance with this exemption and the HMR.
- b. A current copy of this exemption must be maintained at each facility where the package is offered or reoffered for transportation.

- c. Drivers and other persons who load/unload or transport the salvage cylinder must be trained in the handling, loading and unloading of the salvage cylinder. The loaded salvage cylinder must be delivered to the consignor or the consignee as soon as practicable.
- d. Each salvage cylinder must be cleaned and purged after each use and must be visually inspected (internally and externally) and hydrostatically retested once every 5 years at a test pressure of at least 375 psig. The visual inspections must be in accordance with the Compressed Gas Association's Pamphlet C-6.
- e. Salvage cylinders are authorized for overpacking leaking 100 and 150 pound capacity DOT 3A 480% or 3AA 480% chlorine cylinders.
- f. Each salvage cylinder must be secured to the motor vehicle by a securement system that conforms with the requirements contained in § 393.100 through § 393.106.
- g. Each salvage cylinder must be plainly marked on the cylinder sidewall, 180 degrees apart, in letters at least 2 inches high on a contrasting background, "DOT-E 9781" and "SALVAGE CYLINDER".
- h. Each salvage cylinder must be labeled as prescribed for a chlorine cylinder.
- MODES OF TRANSPORTATION AUTHORIZED: Motor vehicle and cargo vessel.
- 10. MODAL REQUIREMENTS: A current copy of this exemption must be carried aboard each cargo vessel and motor vehicle used to transport packages covered by this exemption.
- 11. <u>COMPLIANCE</u>: Failure by a person to comply with any of the following may result in suspension or revocation of this exemption and penalties prescribed by the Federal hazardous materials transportation law, 49 U.S.C. 5101 <u>et seq</u>:
 - o All terms and conditions prescribed in this exemption and the Hazardous Materials Regulations, 49 CFR Parts 171-180.
 - o Registration required by § 107.601 et seq., when applicable.

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Each "Hazmat Employee", as defined in § 171.8 who performs a function subject to this exemption must receive training on the requirements and conditions of this exemption in addition to the training required by § 172.700 through § 172.704.

No person may use or apply this exemption, including display of its number, when the exemption has expired or is otherwise no longer in effect.

12. REPORTING REQUIREMENTS: The carrier is required to report any incident involving loss of packaging contents or packaging failure to the Associate Administrator for Hazardous Materials Safety (AAHMS) as soon as practicable. (Sections 171.15 and 171.16 apply to any activity undertaken under the authority of this exemption.) In addition, the holder(s) of this exemption must inform the AAHMS, in writing, of any incidents involving the package and shipments made under the terms of this exemption.

Issued in Washington, D.C.:

Robert A. McGuire

To Associate Administrator

for Hazardous Materials Safety

OCT 17 2001

(DATE)

Address all inquiries to: Associate Administrator for Hazardous Materials Safety, Research and Special Programs Administration, Department of Transportation, Washington, D.C. 20590. Attention: DHM-31.

The original of this exemption is on file at the above office. Photo reproductions and legible reductions of this exemption are permitted. Any alteration of this exemption is prohibited.

Copies of exemptions may be obtained from the AAHMS, U.S. Department of Transportation, 400 7th Street, S.W., Washington, DC 20590-0001, Attention: Records Center, 202-366-5046.

PO: sln

Chlorine Institute Membership List

Friday, October 12, 2001

OCT 17 2001

North American Producer Members (24)

Company	Year Joined	Official Correspondent
ASHTA Chemicals, Inc.	1996	John Reese, Jr., V.P. Technical, Environmental
Bayer Corporation	1987	Neil Maxson, Safety Consultant
Dow Chemical North America	1950	Saily Kokke-Hall, Global Product Stewardship Leader
E. I. du Pont de Nemours & Company, Inc.	1971	Gregg W. Martin, Safety, Health & Environmental
Formosa Plastics Corporation, U.S.A.	1984	Philip P. Chen, Sr. Business Director
General Electric Company	1976	Larry O. Bowler, Manager - Risk Assessment
Georgia Gulf Corporation	1985	David L. Magee, General Manager, Chemical Operati
Industria Quimica del Istmo, S.A. (IQUISA)	1976	Hector Vaca Esparza, Superintendent of Operations
Magnesium Corporation of America	1996	G. Thomas Tripp, Production Manager
Mexichem, S. A. De C. V.	1985	Jorge Arias Barajas, Gerente Corporativo De Control
Nexen Chemicals	1958	David Gosse, Plant Manager
Occidental Chemical Corporation	1924	Victor F. Pisani, Vice President
Olin Corporation	1924	Peter F. McGrath, Manager, Process Safety
Oregon Metallurgical Corporation	1983	Greg A. Gosling
Pioneer	1924	John Johnson, Works Manager
PPG Canada, Inc.	1960	Georges Banoub, Plant Manager
PPG Industries, Inc.	1960	Terry P. Smith, Technology Manager
St. Anne Chemical Company, Ltd.	1989	Wayne Hatheway, Plant Superintendent
Sterling Pulp Chemicals	1997	W. D. R. (Bill) Compton, Plant Manager
Vicksburg Chemical Company	1989	John H. Miles, Jr., Senior Vice President
Vulcan Materials Company	1952	Brad C. Rosenwald, Vice President, Manufacturing
Westlake CA&O Corporation	1997	Wayne D. Morse, Senior Vice President, Vinyls

Chlorine Institute Membership List Friday, October 12, 2001

Packager Members (17)

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Company	Year Joined	Official Correspondent
Alexander Chemical Corporation	1983	Gillmen J. Leavitt
Allied Universal corporation	1973	Robert M. Namoff, Chief Executive Officer
ALTIVIA Corporation	1997	Robert K. Shuler, Operations Manager
Brenntag Canada	1989	L.G. (Jimmy) Lai-Tyam, Operations & Project Engineer
Brenntag U.S.A.	1973	David Garner, Vice President of Operations
Carroll Welding Supply, Inc.	1990	David Carroll, President
ClearTech Industries, Inc.	1986	Jerry Hastie, Manager, Operations
DPC Industries, Inc.	1982	J. R. (Ric) Massie, Jr., National Operations Manager
Harcros Chemicals, Inc.	1986	Cliff Wiksten
Hawkins Chemicals, Inc.	1989	Todd Mathiason, Operations Manager
Hill Brothers Chemical Company	1985	Rusiy Mosher
Hydrite Chemical Company	1973	Richard W. Strand, Regional Operations Manager
JCI Jones Chemical Company	1996	Tim Gaffney, Executive Vice President
Kuehne Chemical Company	1976	Manuel Cunha, Plant Supt.
Rowell Chemical Corporation	1991	Matthew C. Koupal, Director of Operations
Ulrich Chemical, Inc.	1976	Stephen J. Hiatt, Executive Vice President
Vopak (HVC Division)	1996	Al Cowie, Tech. & Regulatory Affairs Manager
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Chlorine Institute Membership List Friday, October 12, 2001

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Associate Members (162)

Official Correspondent
Martim Afonso Penna, Executive Director
Edmund A. Stec
. R. Singh, Executive Director
Villiam L. Willis, Manager - Marketing
Villiam A. Leech, President
aul L. Yamzon, Engineering Manager
Douglas A. Latta, President
A. Joseph Armetrong, Vice President
Thomas E. Werkema, Director, Regulatory Aff
Peter Berryman, Batch Mill Superintendent
Mark Cook, Sr. Engineer
Roger Lehman, Operations Engineer
Sary F. Crayton III, President
Forn Snow, Principal Vice President
Kevin Crochet, President
Fodd Yingling, President
Bill Markus, Emergency Services Director
Anne Penkal, Product Manager
James T. Harvey, Chief Executive Officer
Joseph S. Pirrone, Product Manager
Peter DeAngelis, ONLY IN SUMMER "10 DeA
Andrew W. Fairey, Director of Water Resource
Albert H. Klopfenstein, President
Charles M. Cooke, Vice President
Susumu Kobayashi, Director & General Mana
Mucio Garza, Assistant Water Superintendent
Chris Zapata, Director of Utilities
Donald R. Spencer, Water System Manager
Richard Holgate, Superintendant
Robert Howard
Art Nunez, Asst. W&WW Manager
Ava Langston-Kenney, Regulatory Ompliance
Joseph L. Stapf, Director of Utilities
Robin L. Phillips-Halperin, Environmental Pro-
Joe Dionne, Manager, Corporate H,S & E
Peter Blenkin, Assist. Dir. of Tech. Serv.
William Riddle
Carl T. Johnson, President
Alberto Gonzalez, Business Development Mai
Philip L. Friess, Division Engineer II

Company	Year Joined	Official Correspondent OCT 17 2001
Crane Resistoflex	1995	Jack L. Wisdom, Flexible Products Manager
Curlin Chlor-Alkali Consultants, Inc.	2000	Calvert Curlin, President
De Nora N.A.	1993	David Francis, Technical Manager
DE NORA TECNOLOGIE ELETTROCHIMICHE SPA	1961	Angelo Ottaviani, Department Manager
Denver Water	1998	Kenneth E. Lykens Jr., Environmental Complian
Descote/Tyco Valves & Controls, Inc.	1985	Jean-Pierre Richer, Chairman
Detroit Water and Sewage Department	1999	Robert Malloch, Water Production Manager
Disposal Solutions Corporation	2000	Doug Lee,
District of Columbia Water and Sewer Authority	1998	Walter F. Bailey, Chief, Dept. of Wastewater Tr
Dow Corning Corporation	1998	Brian T. Klouse, Operations Leader
Durabla Manufacturing Co.	2001	Jim Lingenfelder, Director of Technical Services
EAGLE Construction & Environmental Services, Inc.	2000	Tracy Clark, ER Manager
EKK Eagle America, Inc.	1997	Raymond F. Grandchamp, Jr.
El Paso Water Utilities	1998	John E. Balliew, Environmental Compliance Ma
ELTECH Systems Corporation	1983	Dennis L. Baxendale, President and CEO
Fairfax County Water Authorities	1998	George Hoke,
Ferguson-Harbour, Incorporated	2000	Todd Lee, Administrative
Flowserve Corporation	1995	Dick Medvid, Product Manager
FMC Corporation	1994	Arturo Seyffert,
GAC Chemical Corporation	2000	Timothy J. Poure, President
Gainesville Regional Utilities	1999	Douglas Prentiss, Utility Training Officer
Garlock Sealing Technologies	1997	Matt Tones, Applications Engineering Manager
GE Reilcar Services	1997	John Byrne,
General American Transportation Corp.	1949	John Swezey, Managing Director Research
Group Carbone Lorraine	1994	Larry Burichin, Vice President, Equipment Div.
Groupe Lavo, Inc.	1990	Guy Bouthillier .
H. Krevit & Company, Inc.	1984	George Krevit
Halocarbon Products Corporation	1989	Ron M. Epstein, Asst Mgr - Sales/Marketing
Halogen Valve Systems, Inc.	1998	Stan Shivers,
HASA, Inc.	1995	Mark S. Wilson, General Manager
Honeywell International		Norma Sibley, 245fa Engineering Supervisor
Hulcher Services Inc.	2000	Charles D. "Chip" Day, Senior Director of Opera
Indian Springs Manufacturing Company	1968	Maurice J. Ferguson, President
Ineos Chlor		Malcolm Cook, Manager of Business Developm
Inertech, Inc.	1996	Charles C. Miskell, Sales Manager
Infineum USA L.P	1990	Tom Devine, Risk Assessment Manager
International Salt Company, LLC	2001	William D. Kohlsaat, VP Chemical Sales & Oper
irvine Ranch Water District	2000	Mark B. Gingras, Operations Manager
ISGEC	1996	Ravi Jaidka, Sr. Vice President
ITT Engineered Valves	1994	Dan Ellis, Market Manager
J,C., & Sons, Inc. / Swim Chem	1994	Jerry Wallace, Vice President
Jamesbury, Inc.	1977	Francis P. O'Brien, Industry Mgr, Chlorine/Caus
Jiangsu Mellan Chemical Company	1999	Hu Hong Zhou, Director and General Manageer
Jones-Hamilton Co.	1997	Colby LaPlace, Executive Director of Regional
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Company	Year Joined	Official Correspondent
K.A. Sieel Chemicals, Inc.	1972	Dave Celovsky, Health & Safety Manager
Kappler Protective Apparel and Fabrics	1994	Karmen Lawson, Communication Manager
Kellogg Brown & Root, Inc	1990	Jim Mays, Product Line Manager - Chemicals
Kerr-McGee Chemical LLC	1997	Al Dooley, Director-Safety and Health
KIK Corporation	1997	Tom Carrothers, Technical Director
Koch-Glitsch, Inc.	1999	Mark W. Martin, Industry Leader
Krebs & Company, Ltd Zurich	1976	Claus Gerrath, Chief Process Engineer
Krupp Uhde Corporation of America	1968	Andreas Knobloch, Vice President
Kvaerner Chemetics Inc.	1989	Charles J. Kotzo, Business Development Mana
LEM High Current Systems	1993	Gary Krejci, Sales Engineer
Lonza group	1996	Ron DeFeo, Plant Manager
M. Rodrigue & Son, Inc.	1989	Wayne Rodrigue, Secretary / Treasurer
Marsh Rail Car Services, Inc.	1986	Larry L. Richardson, President
Massachusetts Water Resources Authority	1997	Guy M. Foss, Supt. of Water Quality
Metro Water Services	2000	Joseph A. Estes, Sr., Departmental Safety Coor
Metropolitan Water District of S. Calif.	1991	Richard (Rick) F. Ford, Chlorine Specialist
Miami Products & Chemical Co.	1999	Chris Kohr, Production Supervisor
Midland Manufacturing Corporation	1984	R. Gerald Portis
Millennium Chemicals Inc.	1995	William E. McEnroe, Director of Process Safety
Misco Service Advantage	2000	Norman Clow, Owner
Monsanto Company	1986	Ron Cooley, Plant Manager
MONTEC - Montagem Tecnica Ltda	1999	Saeed Pervaiz, Technical Adviser
Newport News Waterworks	1998	Chris Harbin, Plants Manager
NORAM Engineering and Constructors Ltd.	2000	Steve Sopora, Manager, Business Developmen
Norris Cylinder Company	1987	Ed McSweeney, Division President
Orange County Utilities	2000	Nick Sassic, Safety Administrator
Permascand AB	2001	Bo Mewen, Manager International Sales
Petroclean, Inc.		Drew McCarty, VP, Quality & Emergency Respo
Philadelphia Water Department	1993	William Wankoff, Water Treatment Plants Mgr.
Philip Services Corporation	2001	Farouk A. Mian, Manager - Director
Phonix/Pov	1991	Gunter Wodara, Director Techniques
Polymeric Protective-Linings	2000	Ronald A. De Pastine, General Manager
PolyProcessing Company	2000	Marshall Lampson. Vice President
Pool-Chem, Inc.	1993	David L. Shumake, President
Poolchlor Companies	1978	Kim Skinner, President
Poolman/Spear Pool Co.	1993	John Quatrini, President
Powell Fabrication & Manufacturing, Inc.	1983	Duane Powell, CEO
Pressed Steel Tank Company, Inc.	2000	Jerry Van Auken, Vice President & General Ma
Prince Rubber & Plastics Company, Inc.	1974	S. Warren Prince, Jr., President
Procor Limited		John MacKechnie, Director, Mechanical Strateg
PVS Chemicals, Inc.	1993	Dennis Rutkowski, Director of Safety
R. P. Adams Company	1996	W. D. Niblock, Sales Manager
R2, Inc.	1000	Claude Lachance, Sales & Marketing Manager
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Rapid Power Technologies, Inc.	1991	Stan Popp, V.P. Sales Engineering

Company	Year Joined	Official Correspondent OCT 17 2001		
Regional Water Authority	1998	Gary Huntley, Water Treatment Manager		
RemTec International	2001	Scott Warner, Sales Manager		
Rescar, Inc.	1997	Thomas E. DeLafosse, Director, AllTranstek,LL		
ROBO-CONTROL	2000	Gary Slaydon, President		
Sabara Industria e Comercio Ltda.	1991	Marco Antonio M. Sabara, General Manager		
Sacramento Regional Wastewater Treatment Plant	1992	Ramzi N. Salameh, Maintenance Engineer		
Safer Systems, Inc.	1984	Shahryar Khajehnajafi		
Saint-Gobain Performance Plastics	1997	George Carpenter, Senior Product Manager		
Salco Products, Inc.	1997	Alex Degutis, Product Development Manager		
San Antonio Water Systems	1998	Alvin Schraer, Jr., Director of Production		
Sentry Industries, Inc.	1994	Gary L. Koen, Director of Manufacturing		
SepraDyne Corporation	2000	William W. Harris, Director, Market Developme		
Shaw, Son & Greenhaigh Ltd./Hytec Valves LLC	1997	Neal Weller,		
SHERWOOD, Taylor Wharton G.E.D.	1997	Steve Sokol, Technical Service Coordinator		
Spartanburg Water System	1998	Jim Foster, Water Resources Manager		
Specialized Response Solutions, LP	2001	Bobby Breed, V.P. Operations		
Swenson Process Equipment, Inc.	1987	James S. Outland, Sales Manager, Swenson 5		
TBV - Division of Victaulic Co.	·1995	Charles Sumner, Director of Engineering		
Technical Rubber Products Ltd.	1999	John Toynbee, Development Manager		
Texas Brine Corporation	1968	-		
Trinity Industries, Inc.	1984	Greg McRae, Business Development		
Trinity River Authority of Texas	1993	Mike Young, Manager, Systems Operations		
U.S. Filter Corporation	1996	Gregory E. Stockinger, Manager, Product Deve		
Union Tank Car Company	1956	Phil Daum, Director of Engineering		
Universal Dynamics America Corporation	1994	Donald G. Elliott, Vice President		
Vallecitos Water District	1996	Donna Boyce, Compliance Program Coordinate		
Velan Valve Corporation	1994	Roch Daigle,		
Vertex Chemical Corporation	1984	Lee F. Moisio, Vice President		
W. L. Gore & Associates, Inc.	1991	Dennis Dion, Sales Associate		
Wah Chang	2001	Scott Coffin, Process Engineer		
Water Corporation	1990	N. G. (Neil) Herbert, Senior Chemical Engineer		
Water District No. 1 of Johnson County	1999	Chuck Weber, Superintendent of Treatment &		
Watteredge - Uniflex	2001	Edward A. Steele, Engineering Manager		
Xomox Corporation		Louis Teykl, Southwest Regional Manager		

Chlorine Institute Membership List

Friday, October 12, 2001

Overseas Producer Members (25)

QCT 17 2001

Company	Year Joined	Official Correspondent	Country
Albion Inorganic Chemicals	1968	J. A. Clarke, Quality Manager	UNITED KINGD
Ansa McAl Chemicals Ltd.	1993	Derek deCaires	WEST INDIES
Asahi Glass Company Ltd.	1985	Hiroshi Yamada, Director, Flemion Business	JAPAN
Asahi Kasei Corporation.	1998	Tony G. Hori, Deputy General Manager - Membrane	JAPAN
Basic Chemical Industries, Inc.	1995	Ismail A.R. Atwi, Plant Manager	SAUDI ARABIA
Carbocloro S.A. Industrias Quimicas	1981	Mario A. Cilento	BRAZIL
Chemfab Alkalis Limited	1994	C. H. Krishnamurthi Rao, Chairman	INDIA
Chemical Industries (FE) Ltd.	1990	Soo Peng Lim, Managing Director	SINGAPORE
Dead Sea Bromine Company, Ltd.	1975	Andre Silam	ISRAEL
Dow Chloerkop	1970	Stephanus Jacobus Minne, Site Production Leader	South Africa
Efice Cloro Soda SA	1995	Nestor Gomez Alcorta, President	URUGUAY
Hanwha Chemical Corporation	2000	Won III Son, Production Manager	SOUTH KOREA
Makhteshim	. 1991	David Ben Simon, Process Group Leader	ISRAEL
Nirou Chlor Co.	1998	H. Amirpour, Managing Director	IRAN
Nufarm Limited	1987	Bruce Cadee, Plant Manager	WESTERN AUS
Orica Australia Pty. Ltd.	1971	Garry Clews, Technical Manager	AUSTRALIA
Petroquimica de Venezuela S.A.	1980	Jorge Yanez, Chlorine & Vinyls General Mgr.	VENEZUELA
Prodesal, S.A.	1986	Luis Fernando Vivas, Production Manager	COLOMBIA
Quimpac S.A.	1993	Marcos S. Fishman, President	PERU
Refinadora de Sal S.A. (REFISAL)	1996	Eduardo Campillo, Plant Manager	COLOMBIA
Sasoi Polymers	1973	Hannes Malan	SOUTH AFRICA
Saudi Petrochemical Company	1981	Fahad M. Al-Sharef, Operation Manager CA/EDC	SAUDI ARABIA
Solvay, S.A.	1968	A. Daene, Technical Manager	BELGIUM
Tosoh Corporation	1980	Takako Ozeki, Gen'i Mgr., Env., Saf. & Qual. Control	JAPAN
Trikem, S.A.	1998	Claudio Augusto De Lima Oliveira, Director, Vinyls Business Unit	BRAZIL

The following are hereby granted party status to this exemption based on their application(s) submitted in accordance with § 107.107 or § 107.109, as appropriate:

Company Name City/State	Application Date	Issue Date	Expiration Date
Allied Universal Corporation, Miami, FL	5/19/2000	6/13/2000	11/30/2001
Bechtel Jacobs Company, LLC Oak Ridge, TN	3/8/2000	3/28/2000	11/30/2001
BWXT Y-12 LLC Oak Ridge, TN	9/26/2000	10/23/2000	11/30/2001
Capweld, Inc. Jackson, MS	7/25/2000	9/14/2000	11/30/2001
Delta Chemical Corporation Baltimore, MD	11/29/1999	12/9/1999	11/30/2001
Environmental Management, Inc. Guthrie, OK	6/22/2001	8/2/2001	7/31/2003
HAZMATEAM, Inc. Hudson, NH	2/15/2000	3/9/2000	11/30/2001
Monson Companies, Inc. South Portland, ME	10/20/1999	12/9/1999	11/30/2001
Olin Corporation Norwalk, CT	9/28/2001	OCT 17 2001	7/31/2003
Rowell Chemical Corp. Hindsdale, IL	11/16/1999	12/9/1999	11/30/2001
UT-Battelle, LLC Oak Ridge, TN	9/10/2001	10/1/2001	7/31/2003

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Company Name	Application	Issue	Expiration
City/State	Date	Date	Date
WESKEM, LLC Oak Ridge, TN	2/14/2000	3/9/2000	11/30/2001

Robert/A. McGuire

Associate Administrator for Hazardous Materials Safety